

Sheet 1 of 1Form PTO-1449
(REV. 8-83)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
116282APPLICATION NO.
10/629,743

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS
Satoru WAKUTA et al.FILING DATE
July 30, 2003GROUP
3611

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
BF	US 2003/0178953 A1	9/25/2003	Tumback et al.		
BF	US 6,516,253 B2	2/4/2003	Boggs et al.		
BF	US 6,558,283 B1	5/6/2003	Schnelle		

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
DE 199 03936 A1	5/4/2000	Germany		
WO 02/47931 A1	6/20/2002	WIPO		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

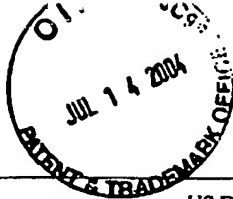
EXAMINER

DATE CONSIDERED

6-25-5

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: January 5, 2005

Sheet 1 of 1

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				FILING DATE July 30, 2003		GROUP 3611	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
BF	1	6,155,364	12/5/2000	Nagano et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
BF	2	JP A 09-226392 w/Abstract and Translation	9/2/1997	Japan			
BF	3	JP A 07-96759 w/Abstract and Translation	4/11/1995	Japan			
BF	4	JP A 2002-225578 w/Abstract and Translation	8/14/2002	Japan			
BF	5	JP S50-30223 w/translated main claim	3/26/1975	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER				DATE CONSIDERED			
				6-25-5			
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Date: July 14, 2004

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
BF	1	6,371,878 B1	4/16/2002	Bowen		
BF	2	5,558,595	9/24/1996	Schmidt et al.		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
BF	3	DE 201 17 410 U 1	1/31/2002	Germany		
BF	4	EP 1 223 067 A2	7/17/2002	EPO		
BF	5	EP 1 304 248 A1	2/23/2003	EPO		
BF	6	EP 1 114 744 A2	7/11/2001	EPO		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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6-25-5

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Date: May 7, 2004



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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
BF		US 2002/0094898 A1	7/18/2002	Hata et al.		
BF		US 2003/0078134 A1	4/24/2003	Kojima et al.		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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6-25-5

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Date: June 23, 2004